

Figure 1

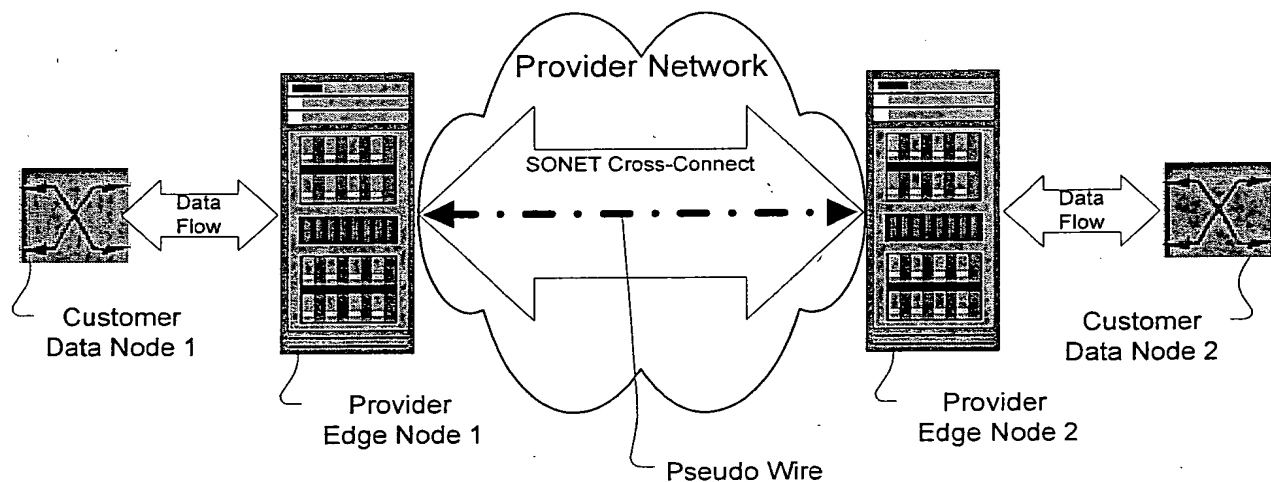


Figure 2

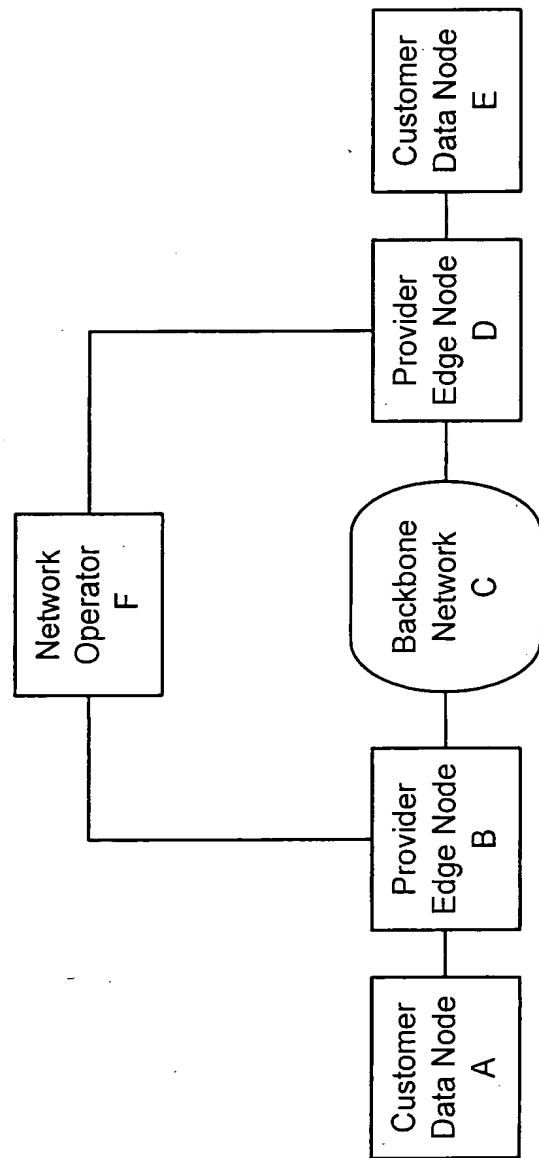


Figure 3

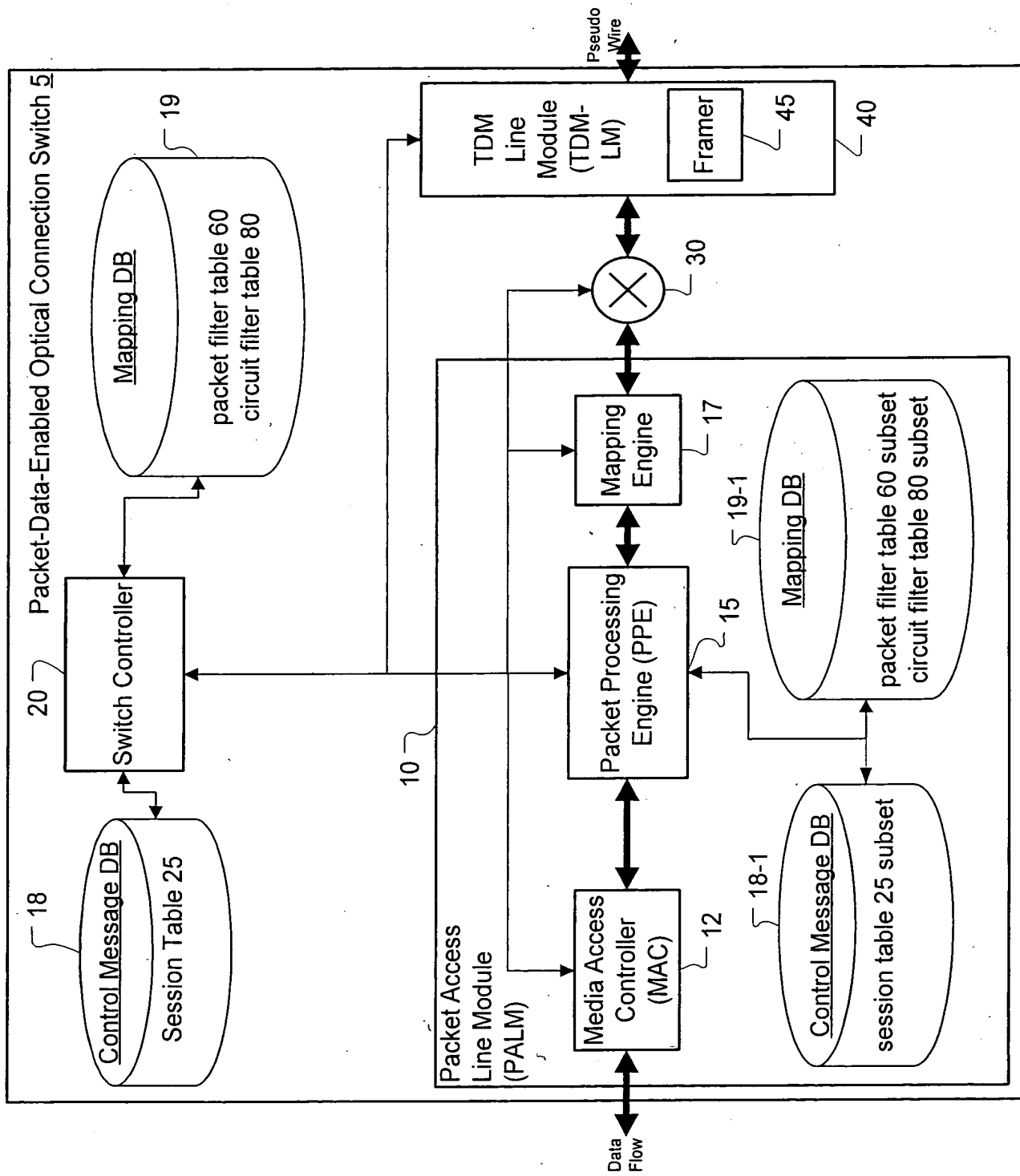


Figure 4

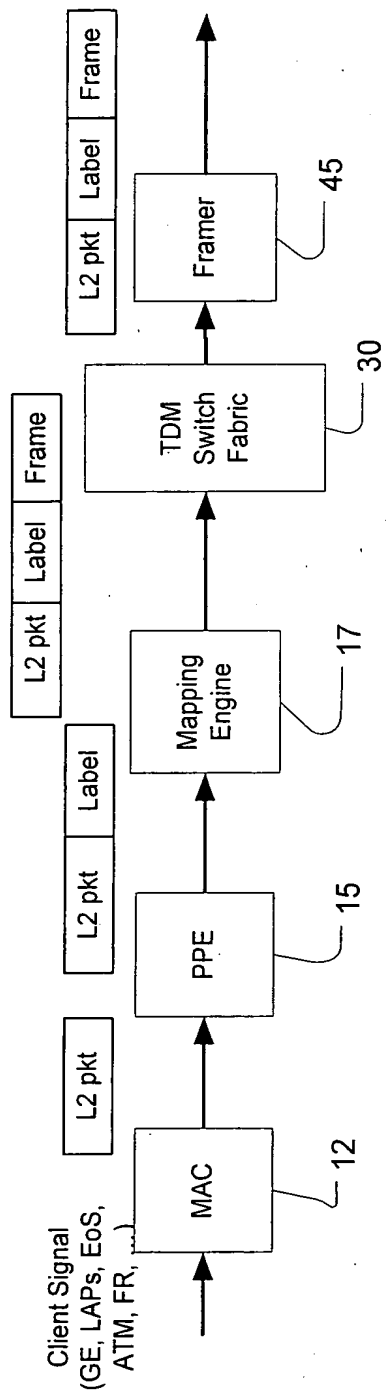


Figure 5

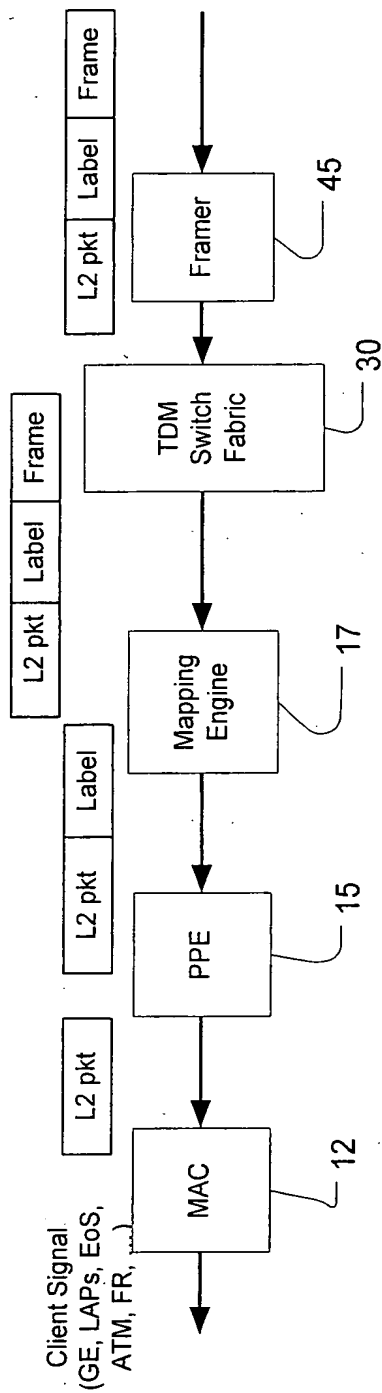


Figure 6

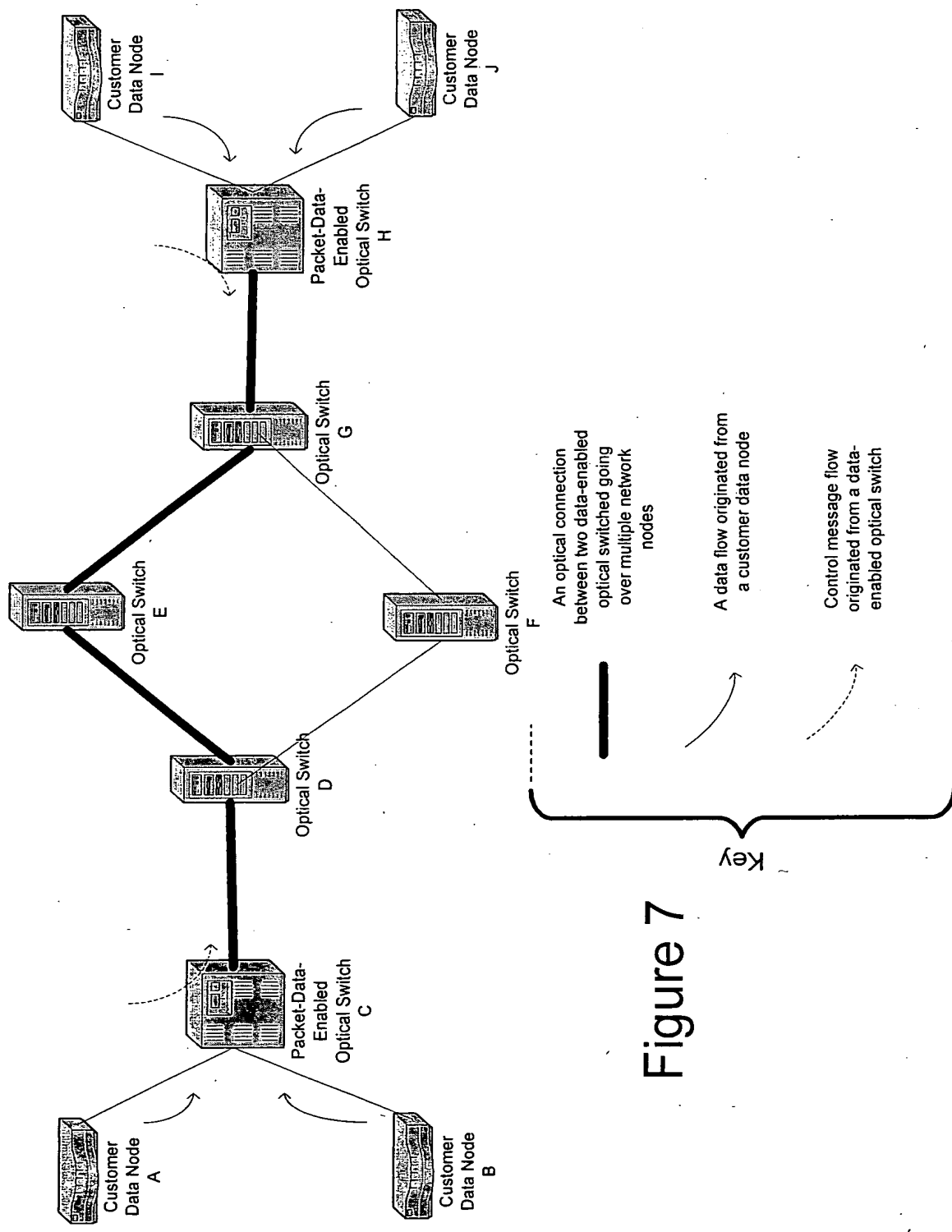


Figure 7

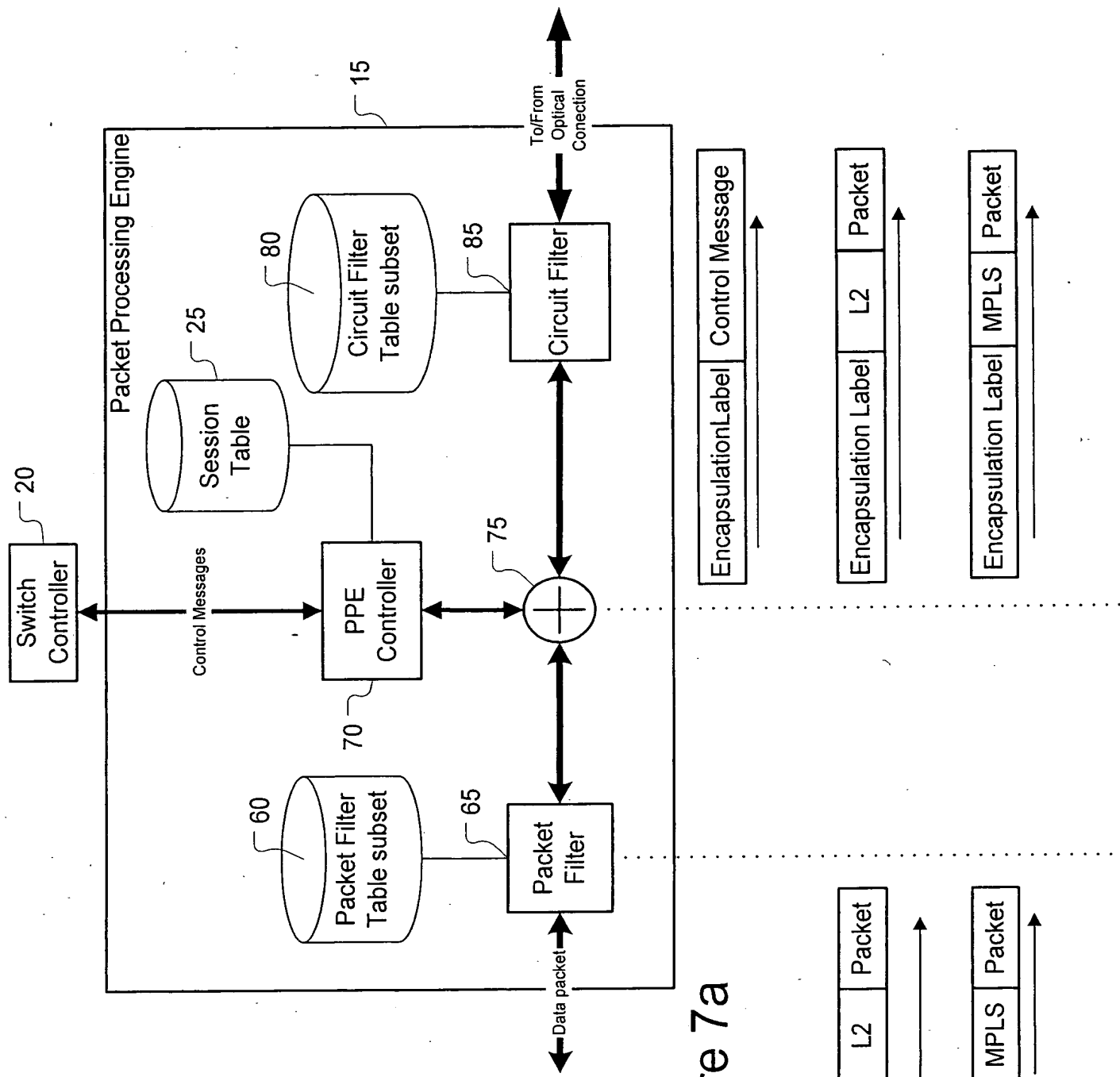


Figure 7a

PACKET FILTER TABLE				
PACKET FILTER (DATA INTERFACE, LABEL)	OUTGOING OPTICAL CONNECTION	ENCAPSULATION LABEL	FILTER PRIORITY	GUARANTEED QOS
PACKET FILTER-1 (PORT 1, ETHERNET VLAN 100)	SONET VCG NUMBER 3	MPLS LABEL 10000	3	X
PACKET FILTER-2 (PORT 5, ATM VCI/PI 12/45)	SONET VCG NUMBER 3	MPLS LABEL 20000	3	Y
PACKET FILTER-3 (PORT 2, FR DLCI 900)	OPTICAL INTERFACE 1	MPLS LABEL 500	3	Z
PACKET FILTER-4 (PORT 1, MPLS LABEL 10000)	SONET VCG NUMBER 5	MPLS LABEL 10001	1	S

Figure 7b

CIRCUIT FILTER TABLE			
CIRCUIT FILTER (OPTICAL CONNECTION, LABEL)	OUTGOING DATA INTERFACE	OVERWRITTEN LABEL	GUARANTEED QOS
CIRCUIT FILTER-1 (SONET VCG 3, LABEL 20000)	DATA PORT 1	ETHERNET VLAN 200	X
CIRCUIT FILTER-2 (SONET VCG 3, LABEL 20001)	DATA PORT 2	ATM VC/VP 23/56	Y
CIRCUIT FILTER-3 (OPTICAL INTERFACE 1, LABEL 300)	DATA PORT 1	NONE	Z
CIRCUIT FILTER-4 (SONET VCG 5, LABEL 12000)	DATA PORT 23	FRAME RELAY DLCI 200	S
CIRCUIT FILTER-5 (SONET VCG 3, LABEL 3)	HOST INTERFACE	NONE	T

Figure 7c

SESSION TABLE			
SESSION (CONTROL MESSAGE ID)	OUTGOING OPTICAL CONNECTION	ENCAPSULATION LABEL	GUARANTEED QOS
SESSION 1 (TCP SRC PORT 1345)	SONET VCG NUMBER 3	MPLS LABEL 3	X
SESSION 2 (TCP SRC PORT 3456)	SONET VCG NUMBER 3	MPLS LABEL 3	Y
SESSION 3 (UDP PORT 1998)	OPTICAL INTERFACE 1	MPLS LABEL 10000	Z

Figure 7d

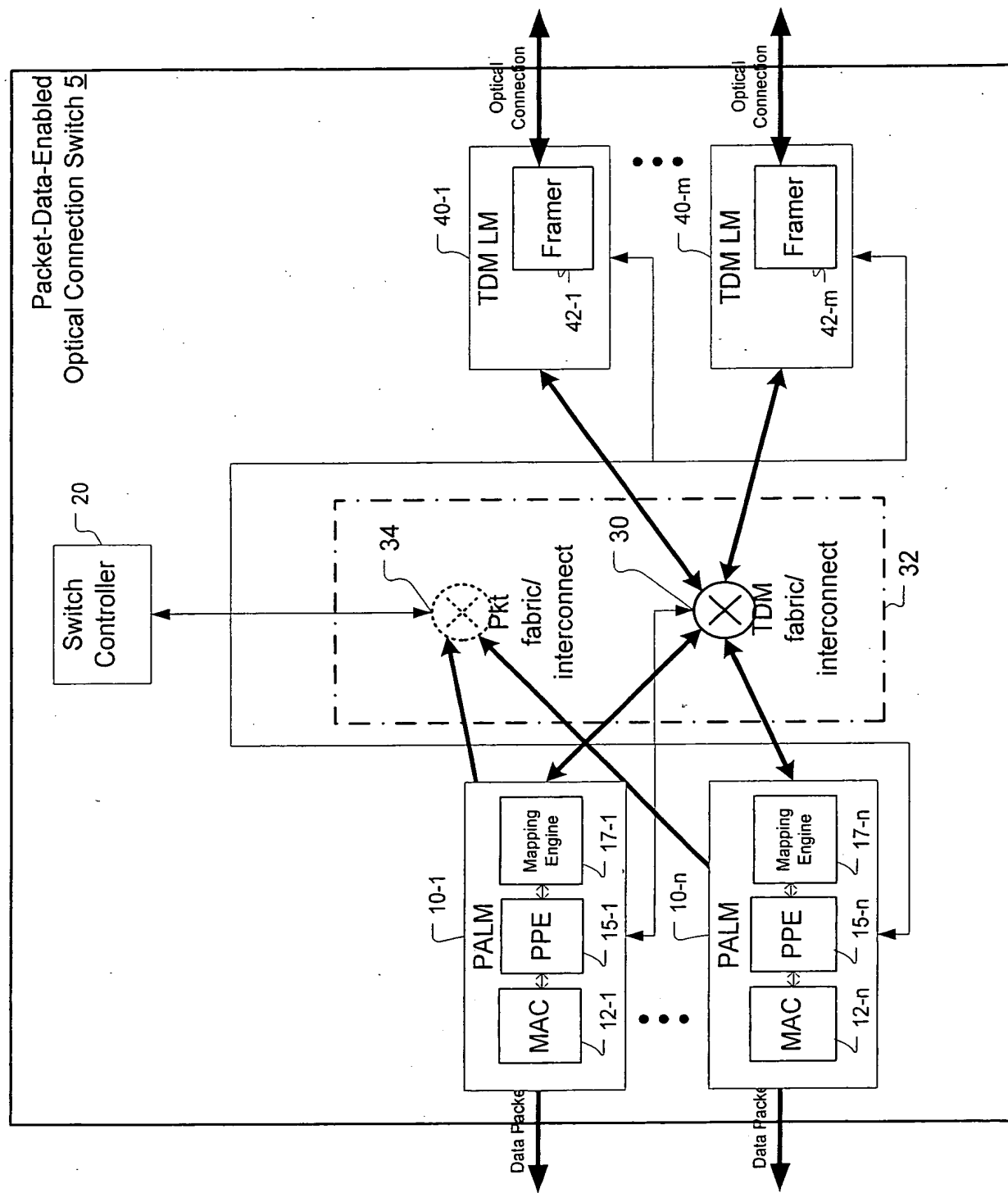


Figure 8

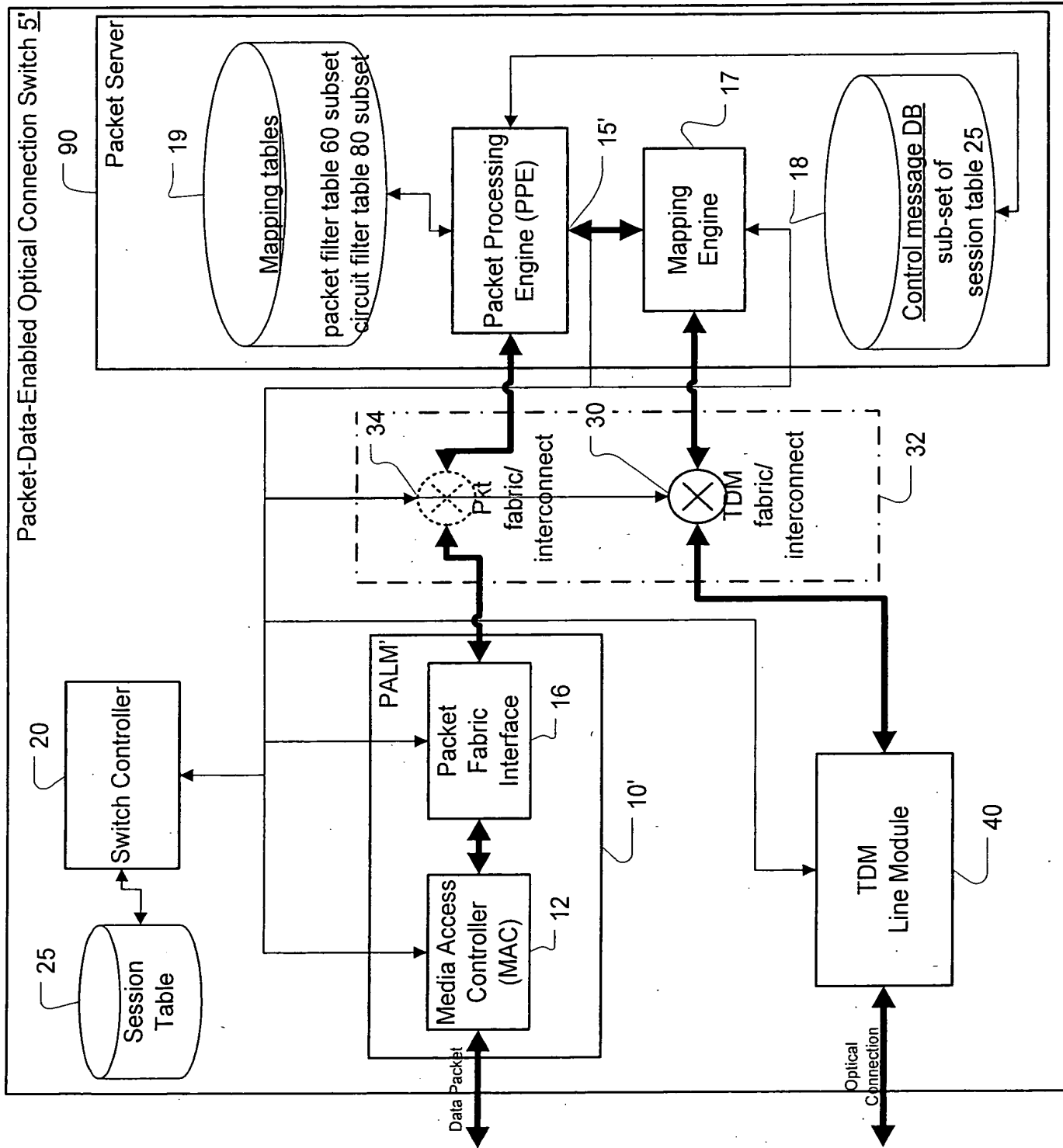


Figure 9

Packet-Data-Enabled Optical Connection Switch 5'

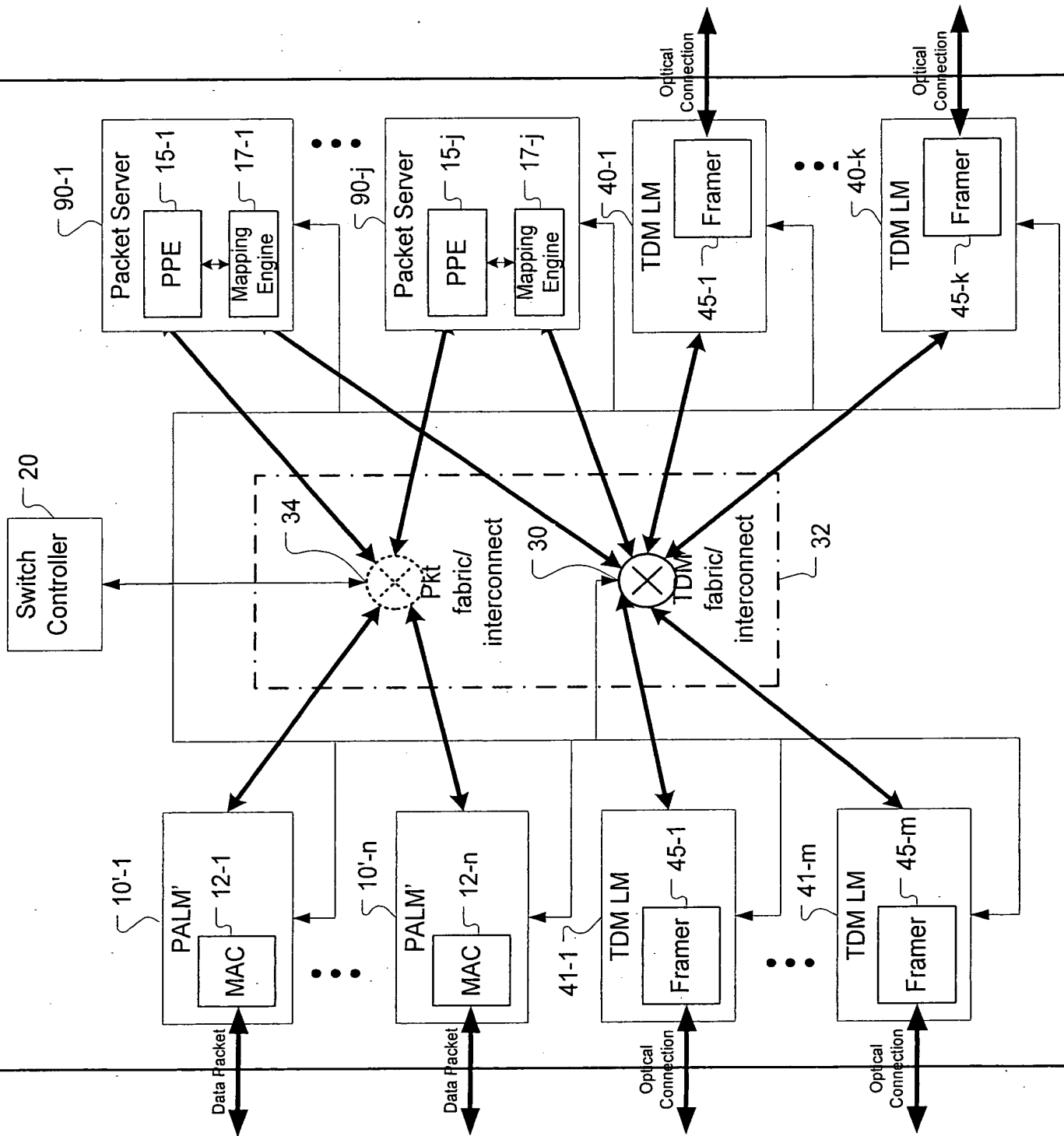


Figure 10

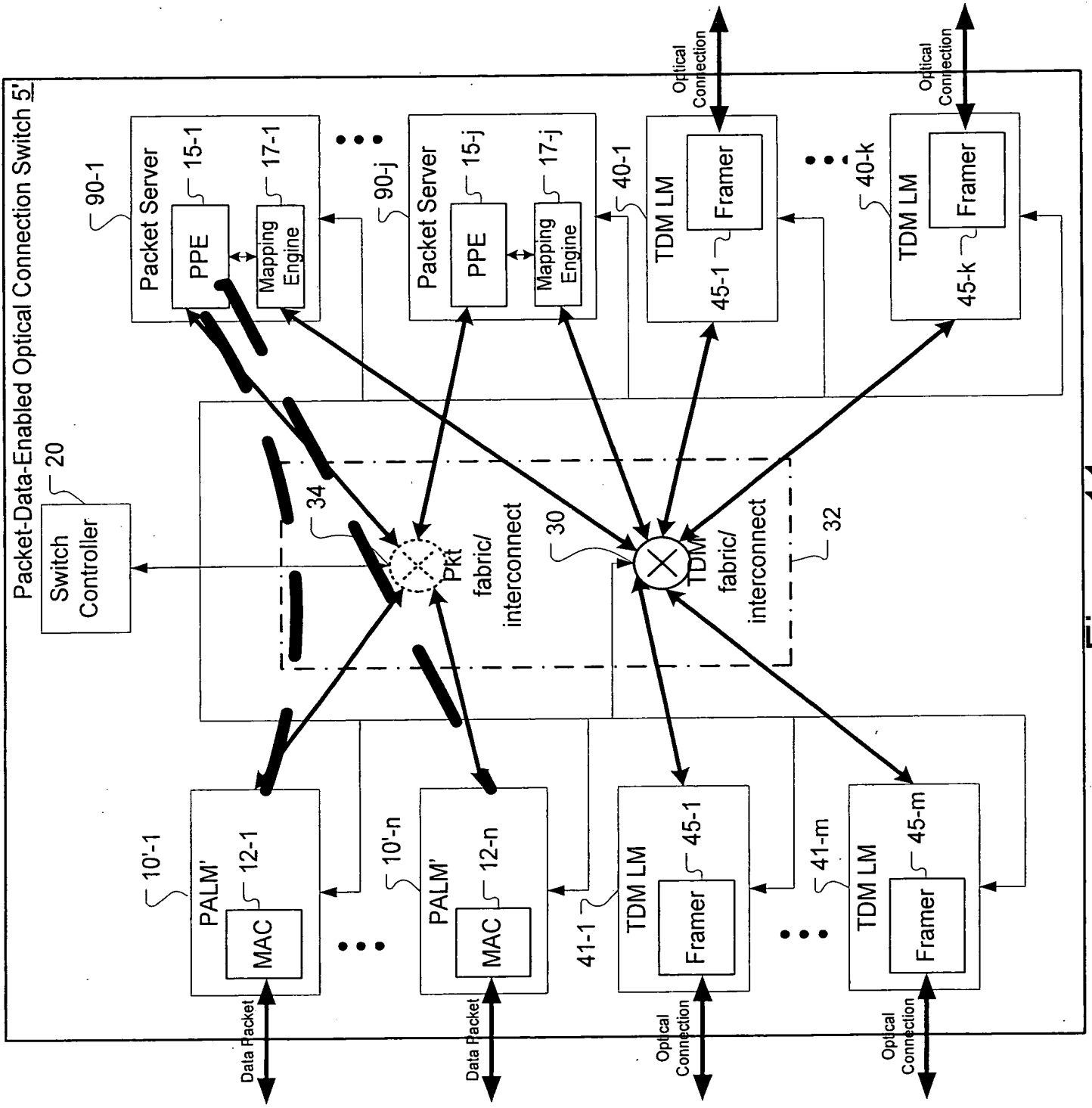


Figure 11

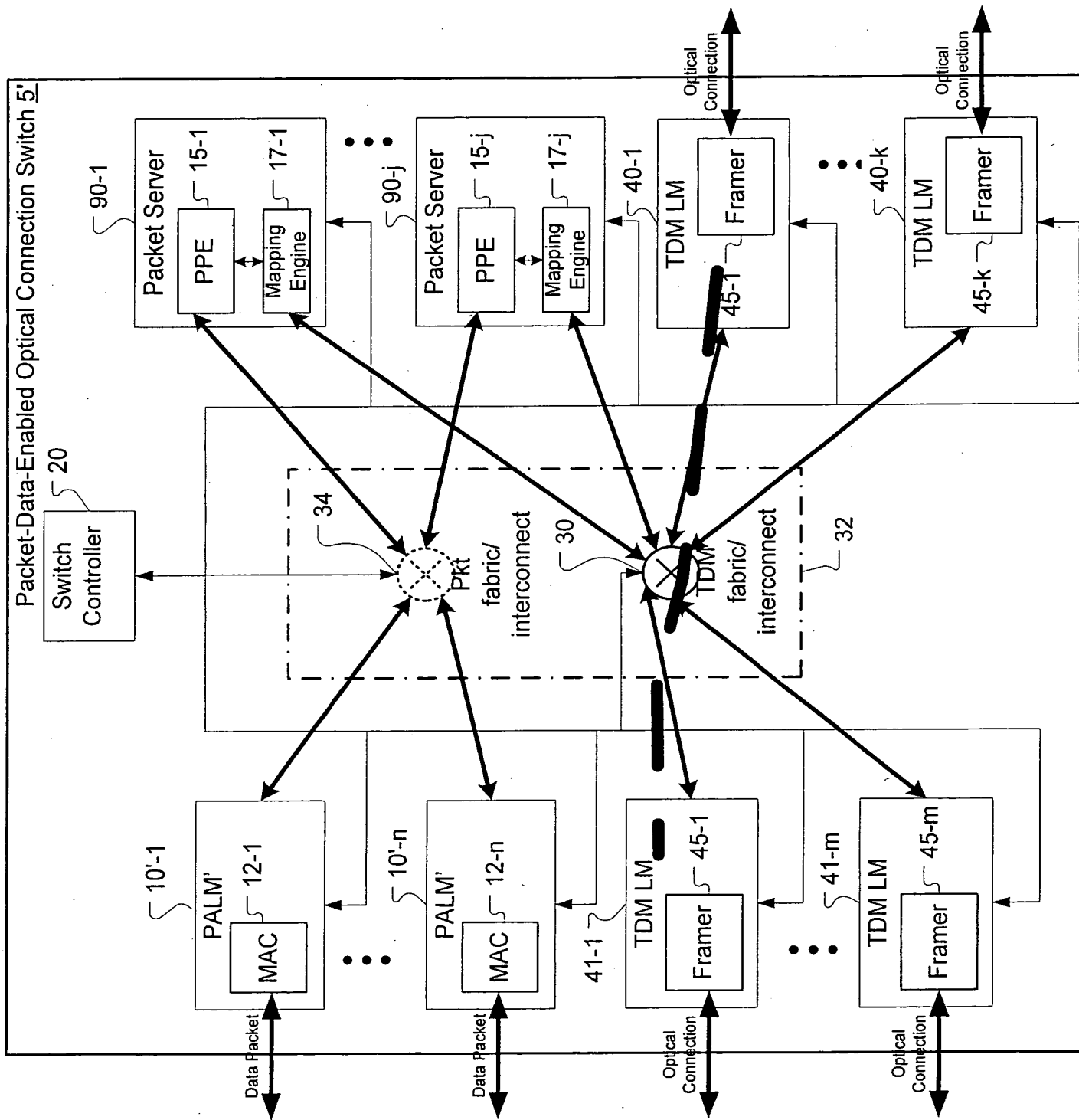


Figure 12

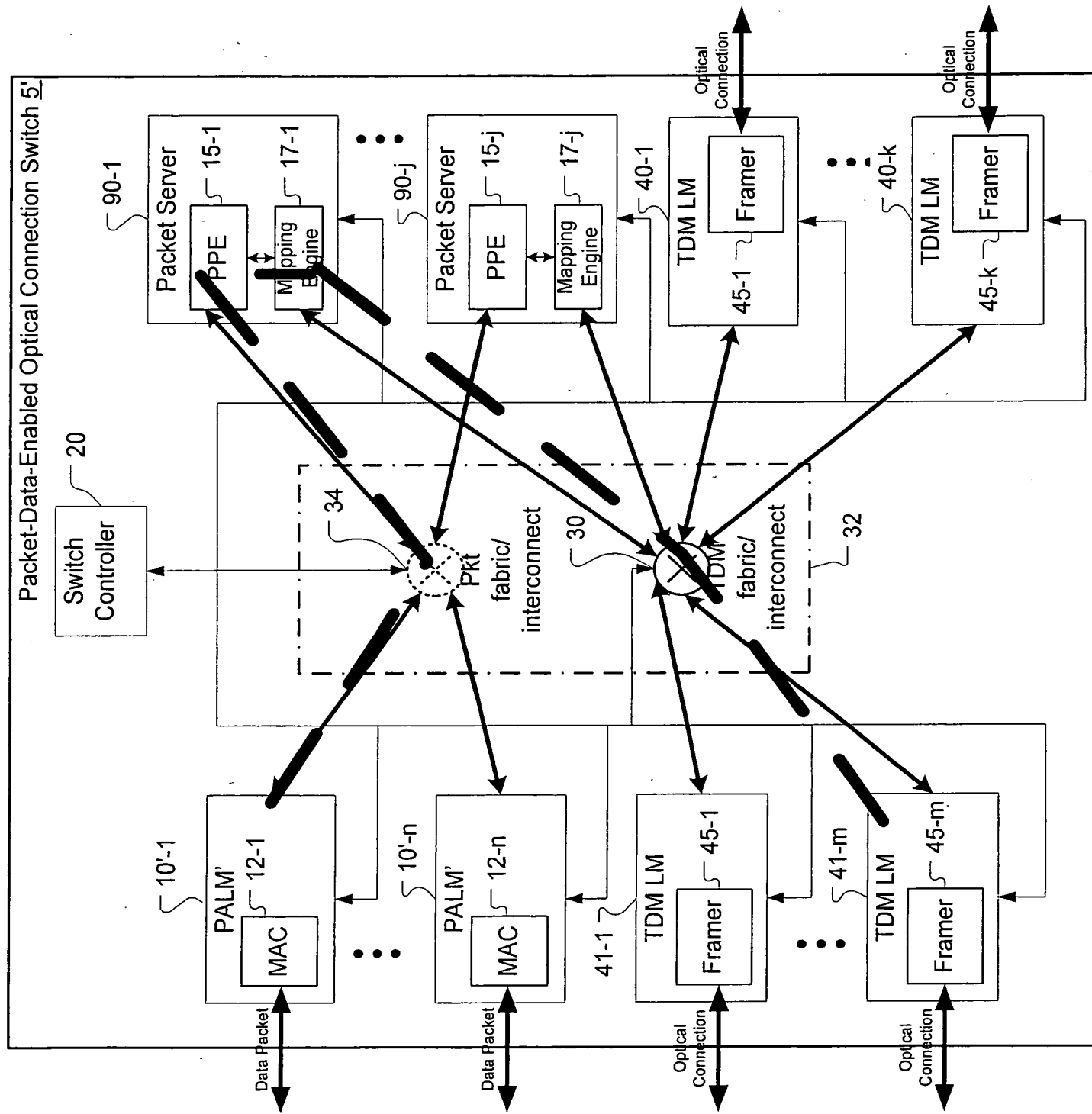


Figure 13

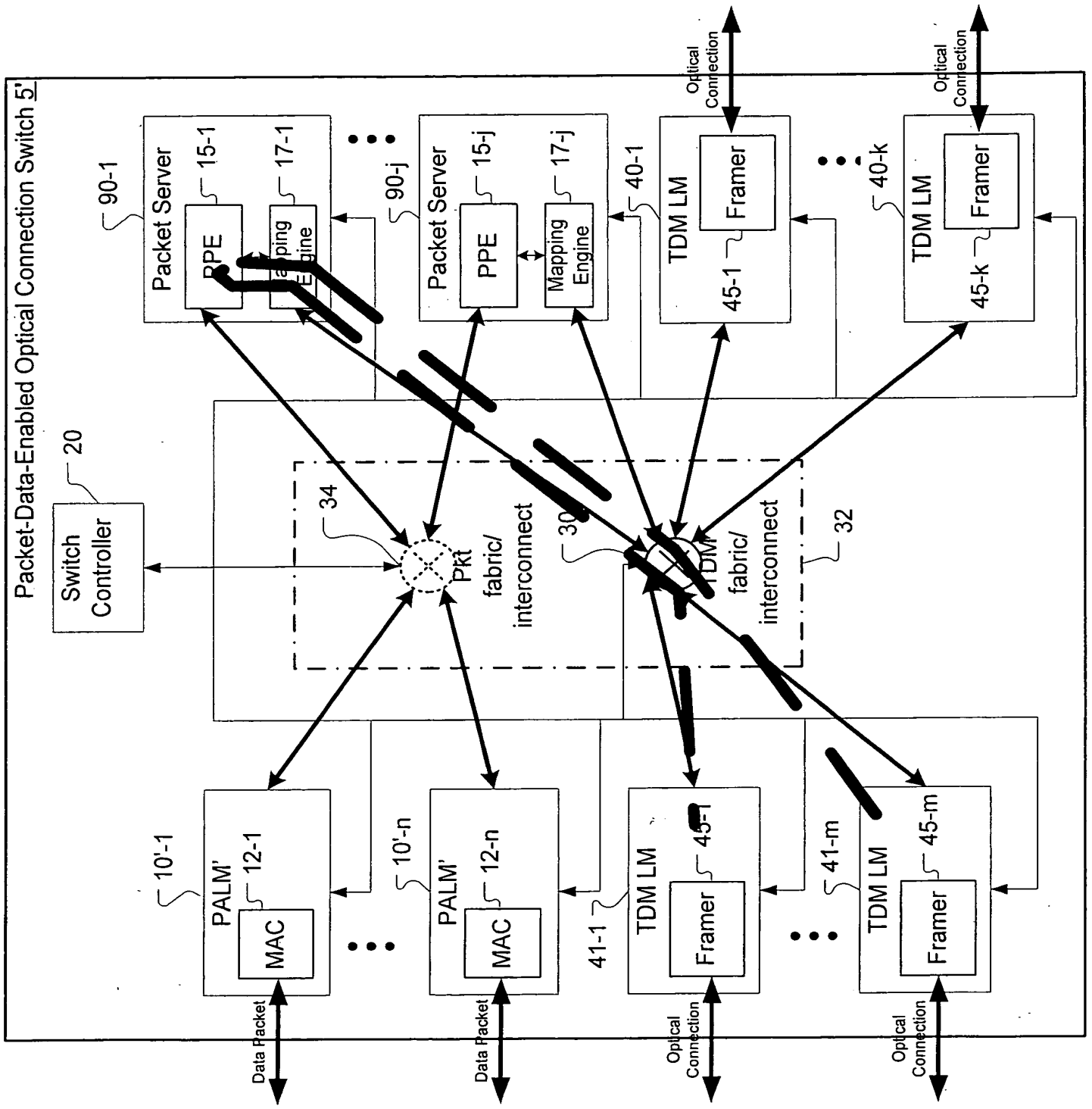


Figure 13a

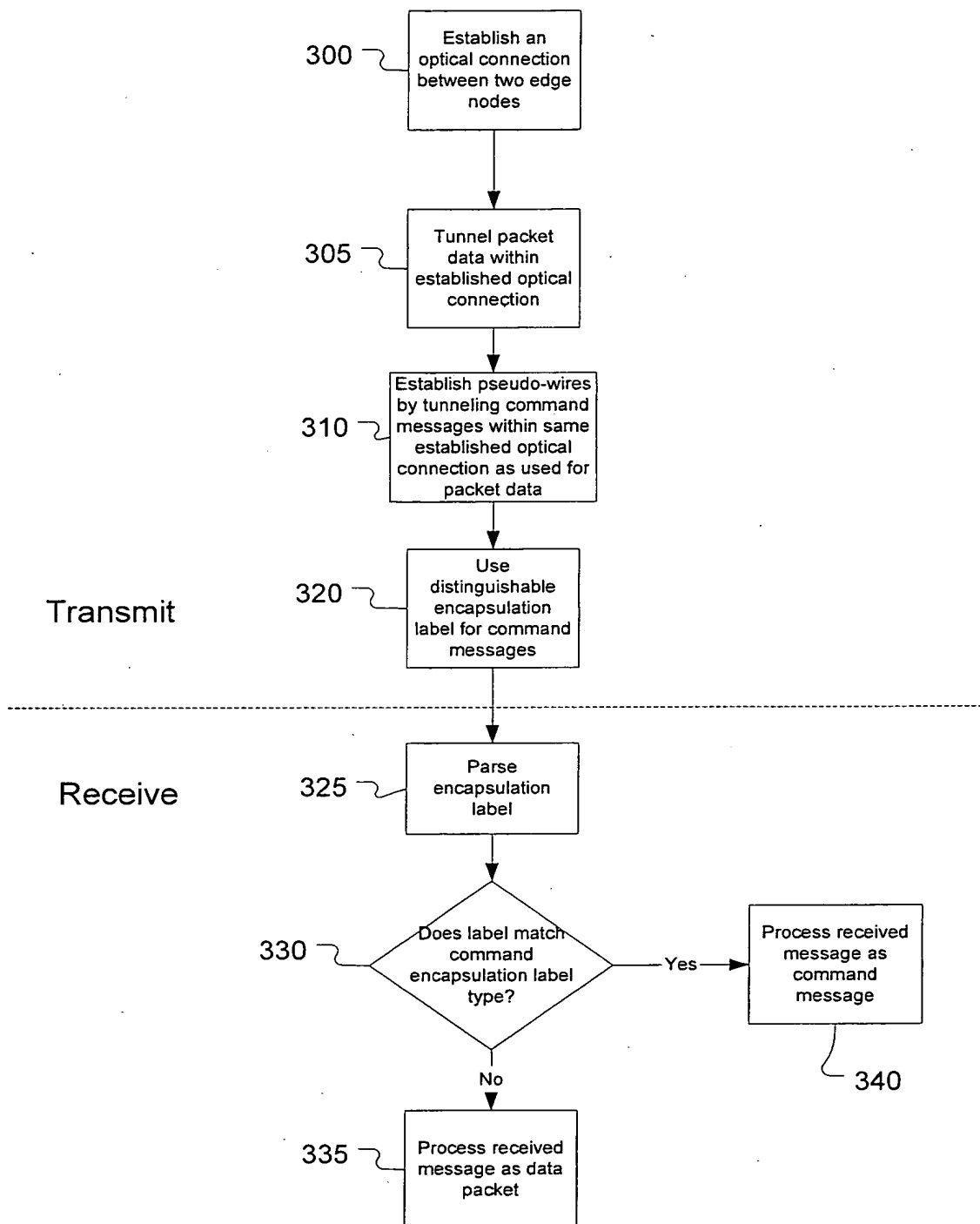


Figure 14

Figure 15a

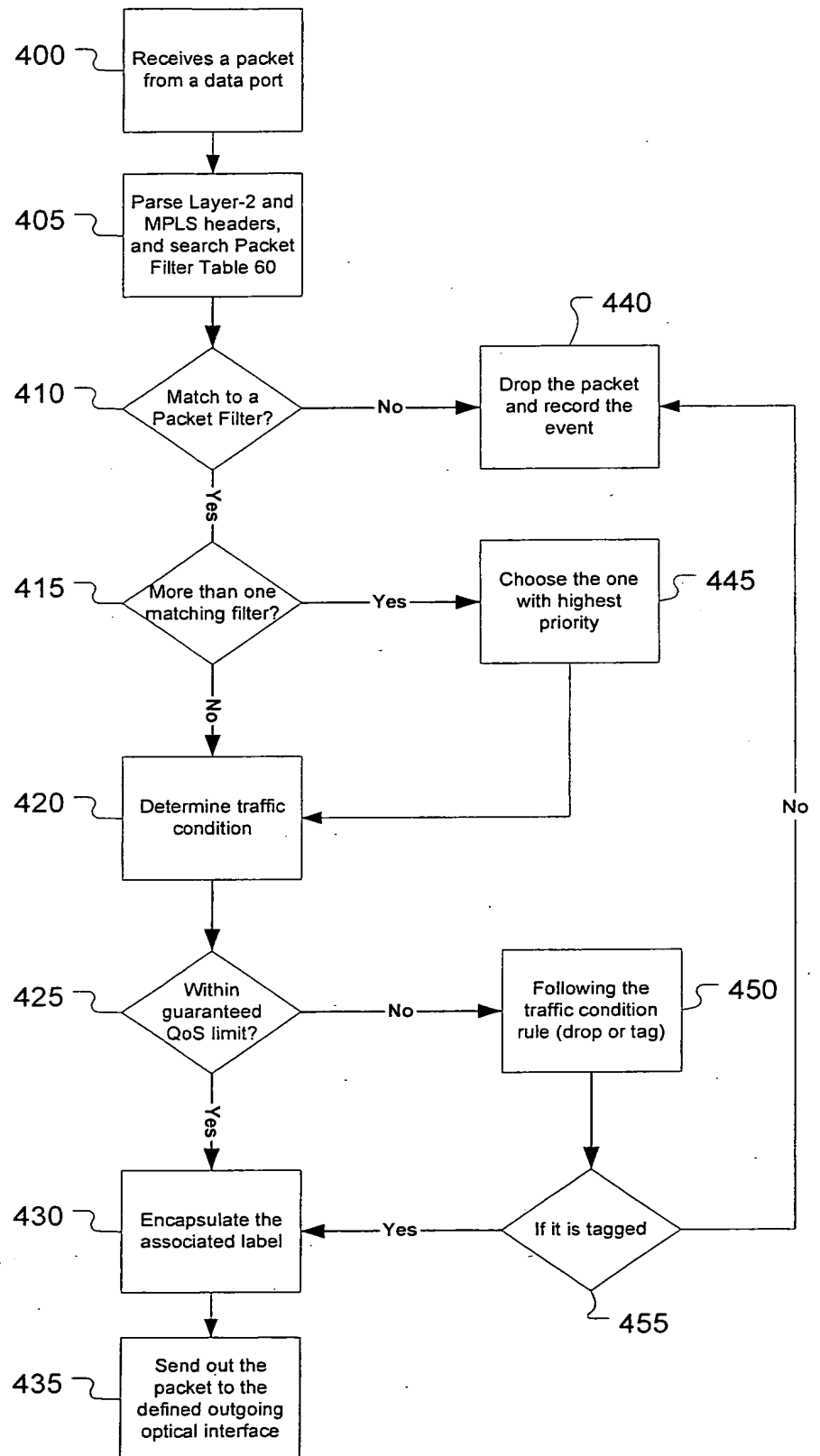


Figure 15b

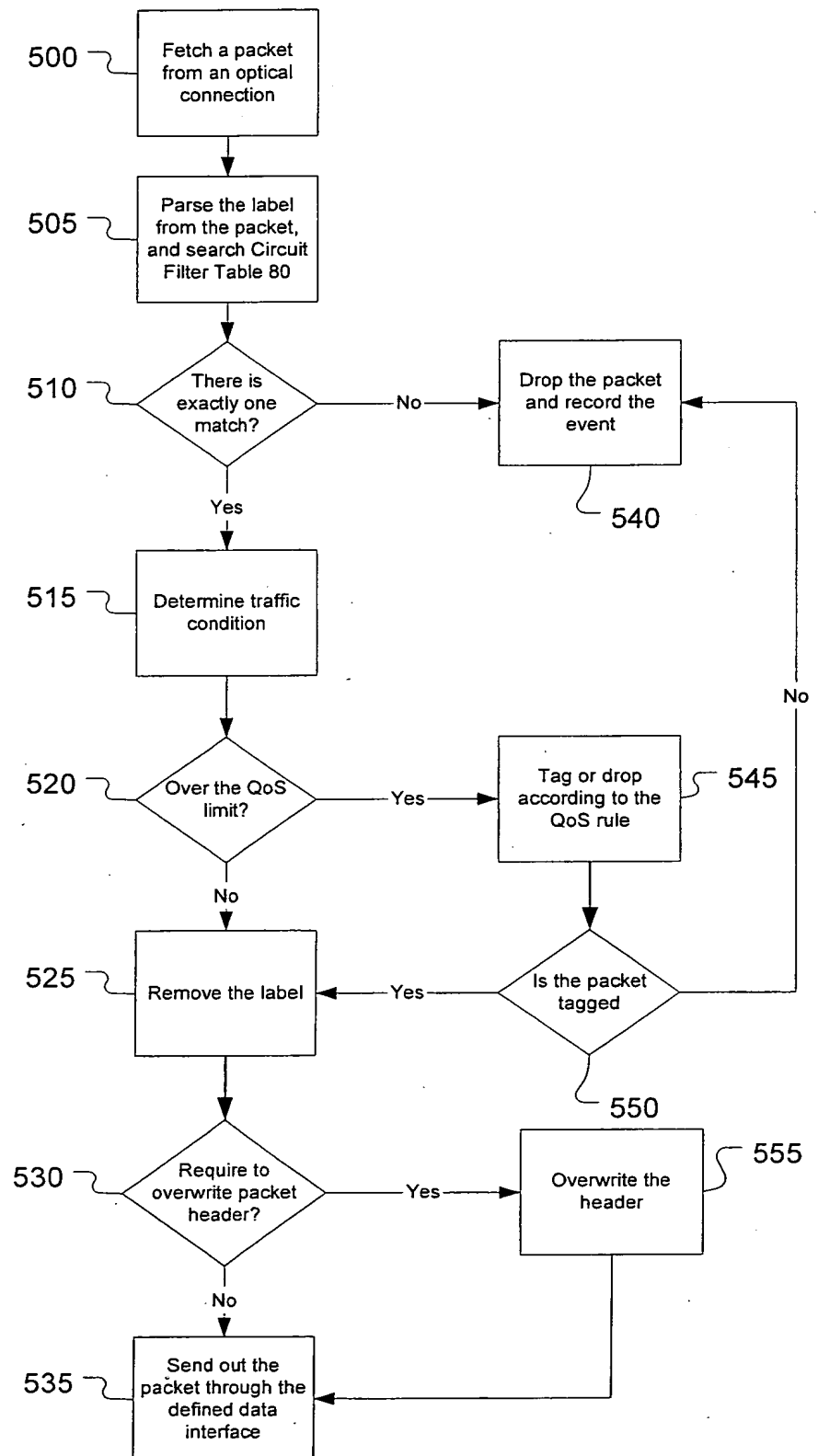
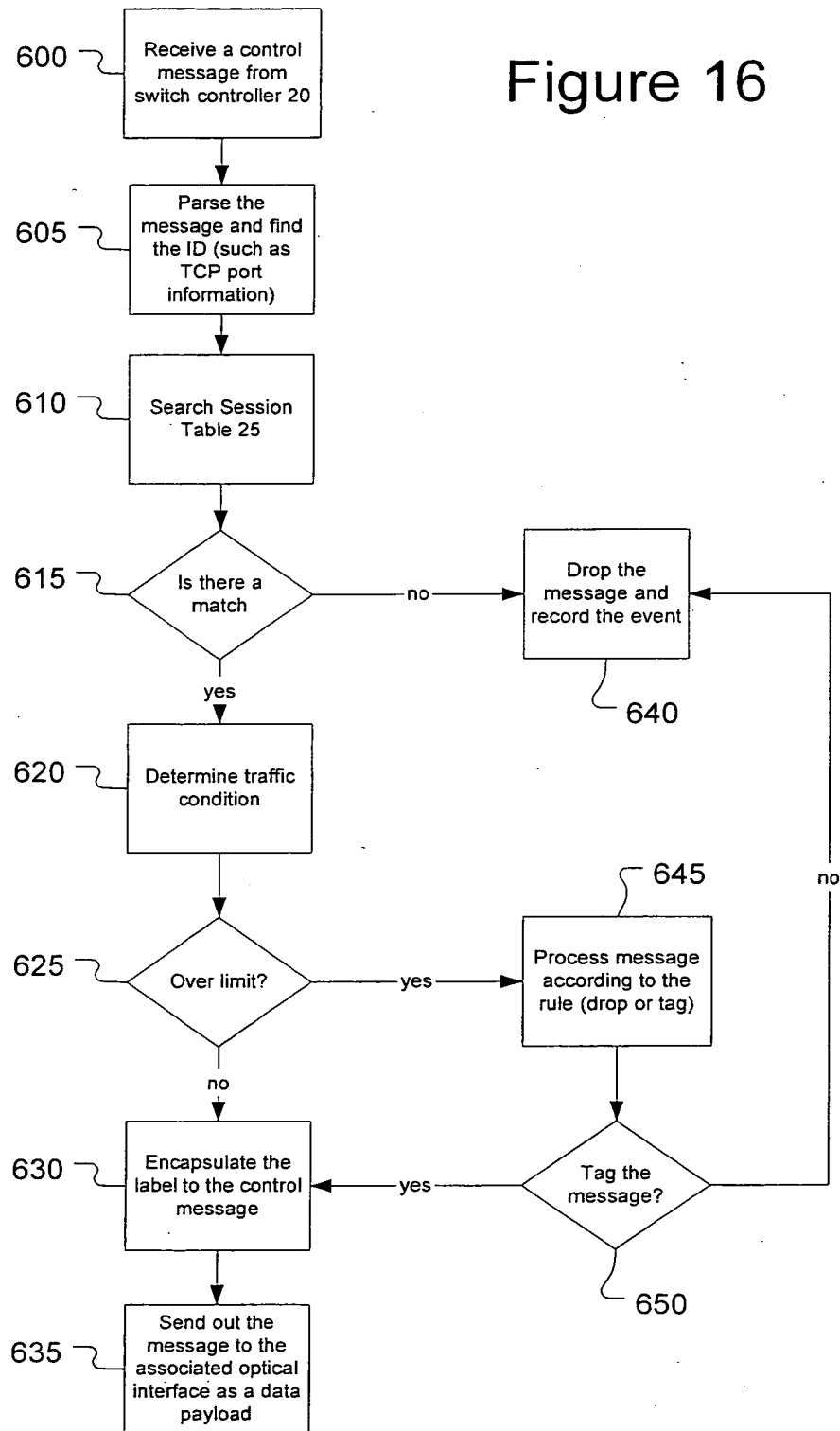


Figure 16



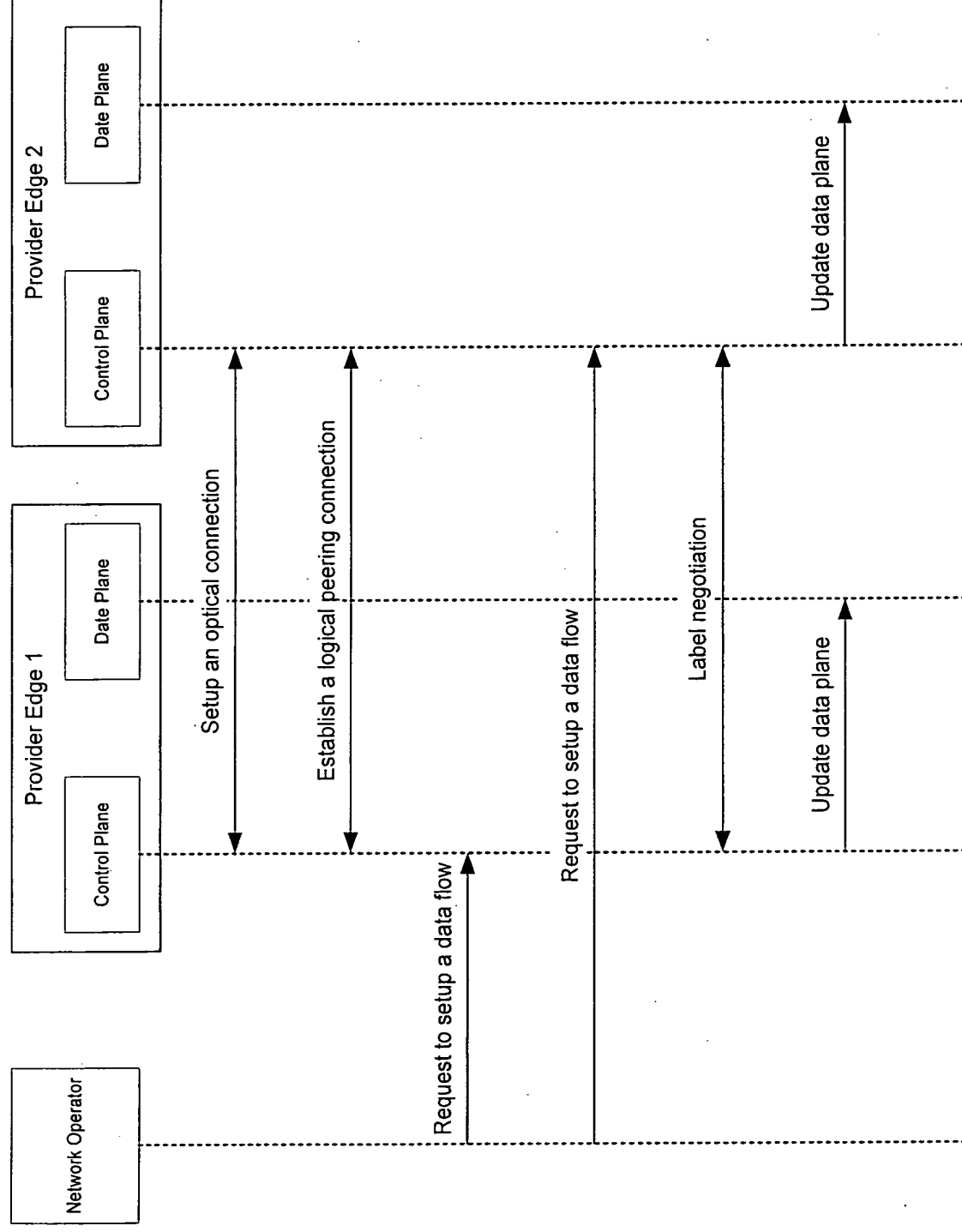


Figure 17

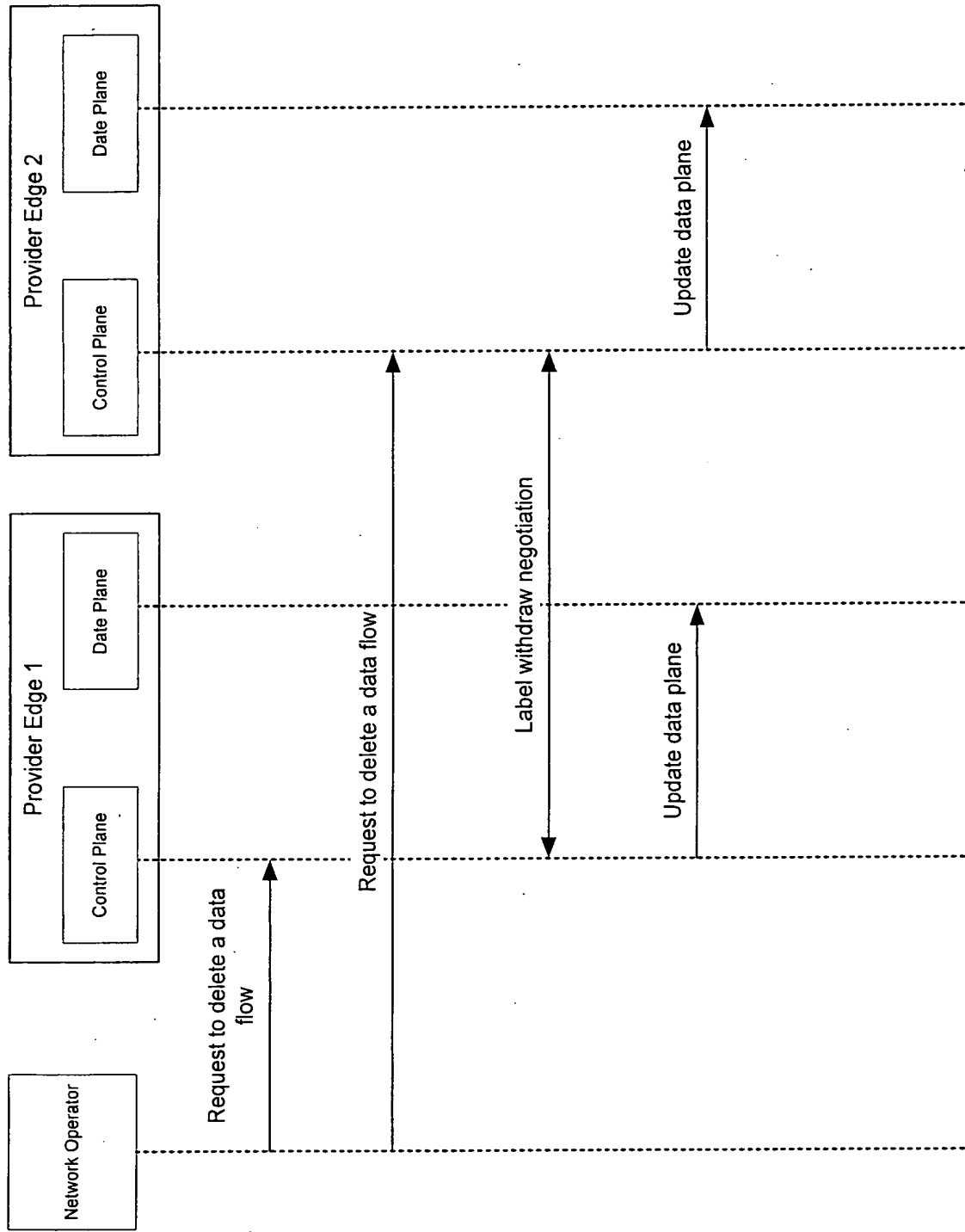


Figure 18

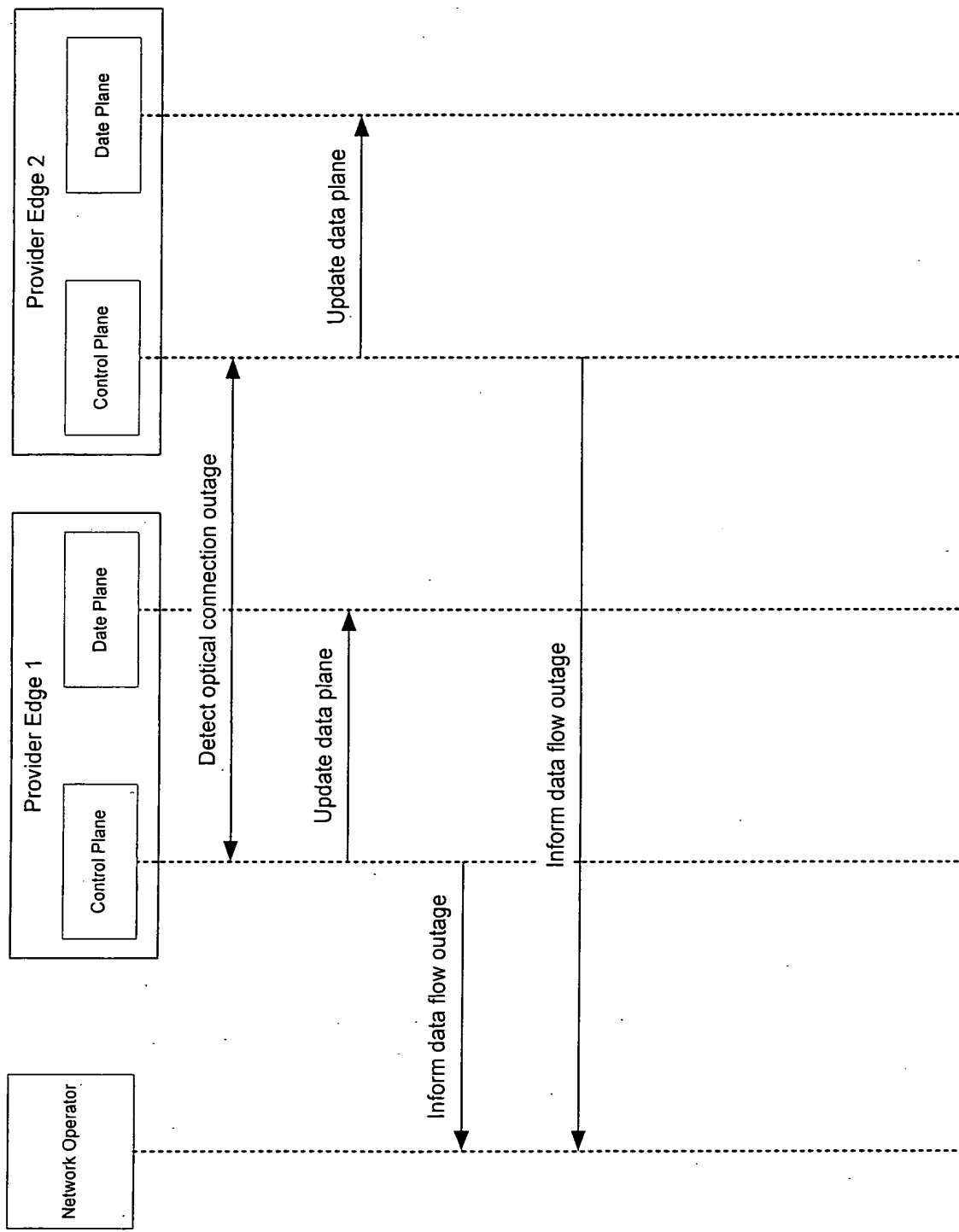


Figure 19

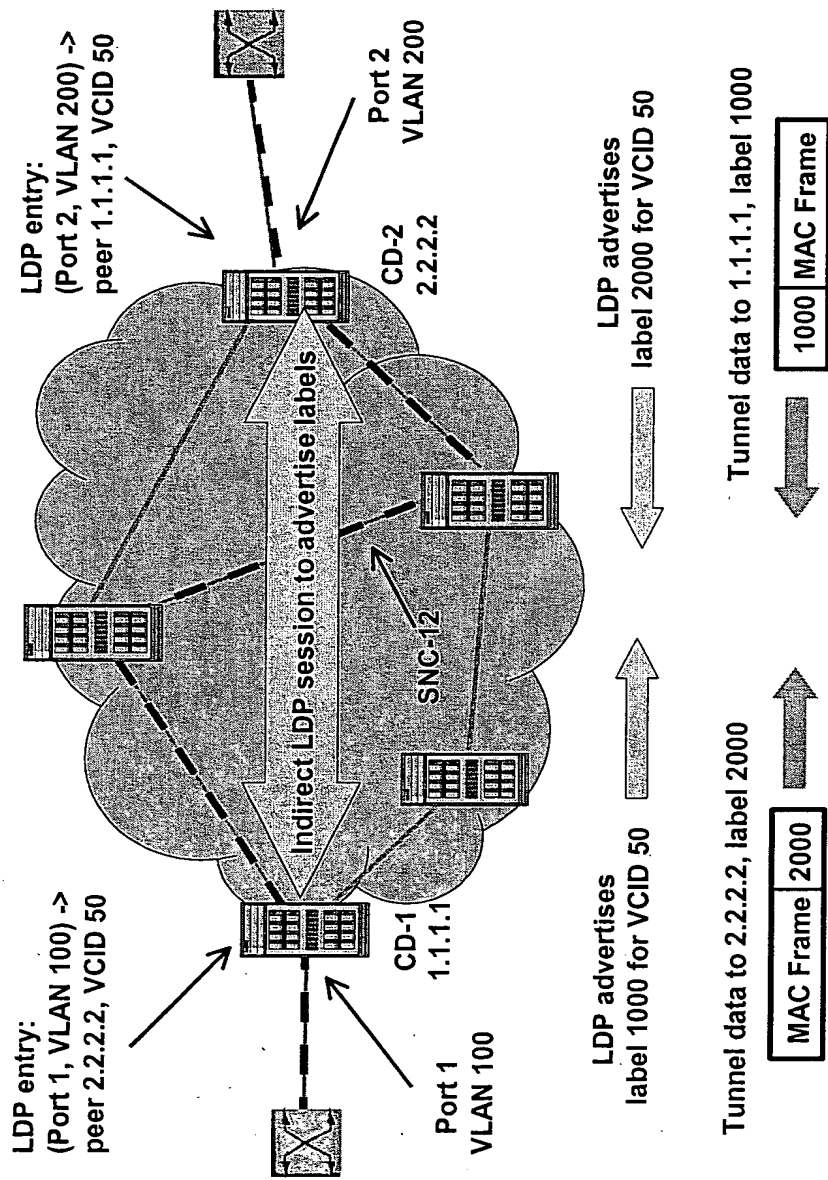
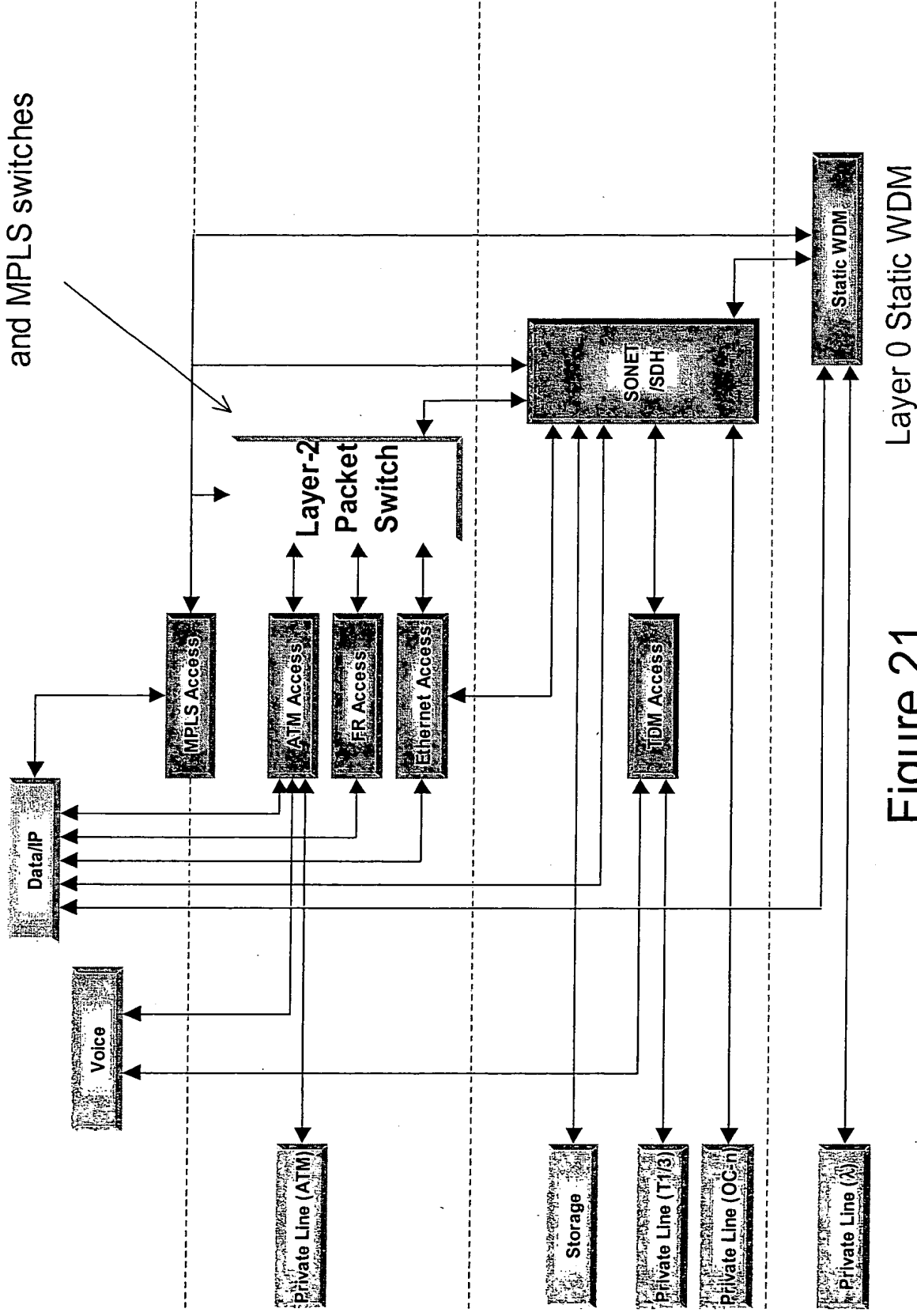


Figure 20

Ethernet, ATM, Frame Relay
and MPLS switches



Layer 0 Static WDM

Figure 21

(Conventional)

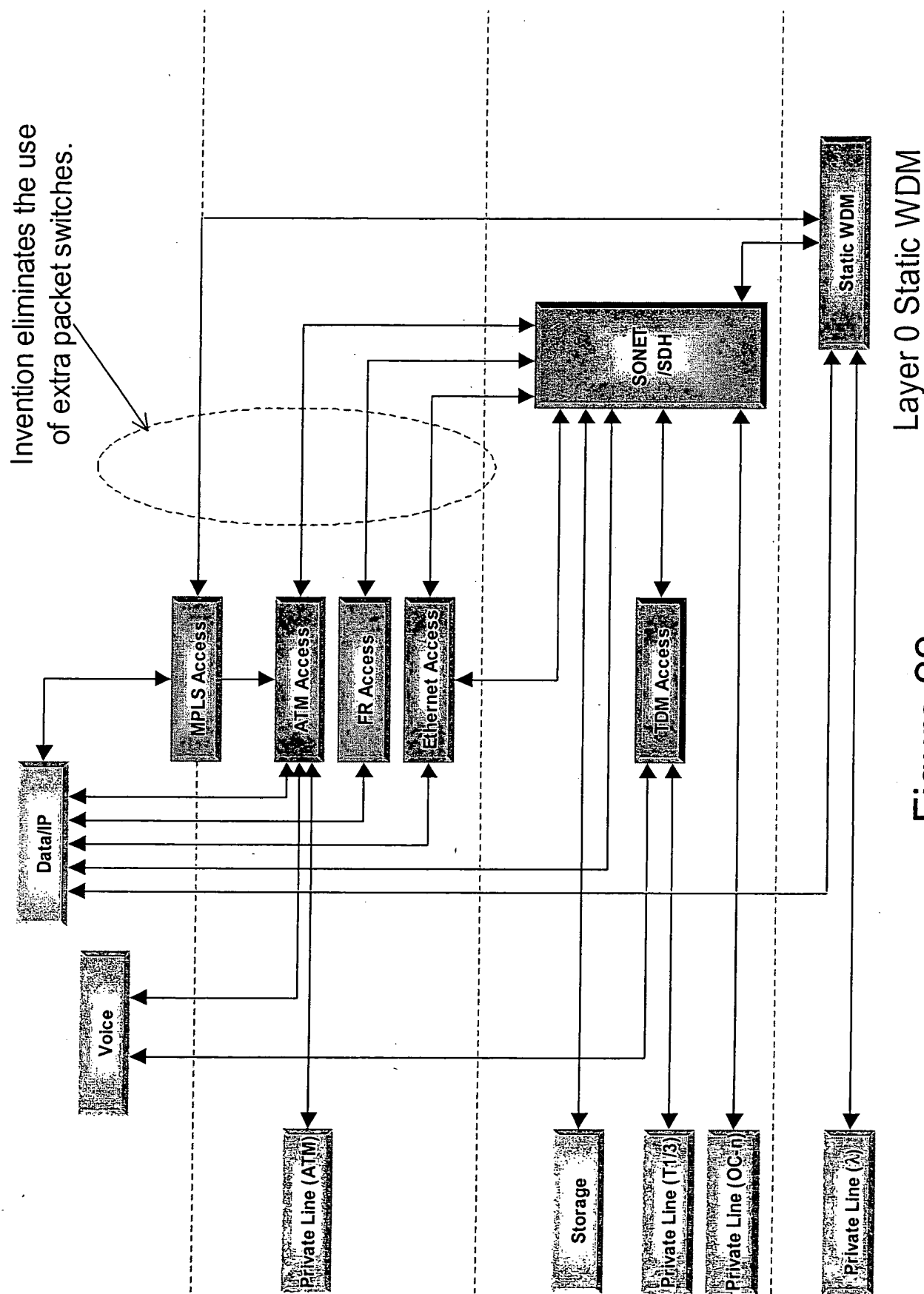


Figure 22